- * ACGIH. 1986. Documentation of the threshold limit values and biological exposure indices. 5th ed. American Conference of Governmental Industrial Hygienists. Cincinnati, OH.
- * Agarwal AK, Mehendale HM. 1983. Absence of potentiation of bromoform hepatotoxicity and lethality by chlordecone. Toxicol Lett 15:251-257.
 - Ahmed AE, Kubic VL, Stevens JL, et al. 1980. Halogenated methanes: metabolism and toxicity. Fed Proc 39:3150-3155.
- * Ahmed AE, Kubic VL, Anders MW. 1977. Metabolism of haloforms to carbon monoxide: I. In vitro studies. Drug Metab Dispos 5:198-204.
 - Aida Y, Takada K, Momma J, et al. 1987. Acute and subacute toxicities of three trihalomethanes in rats I. J Toxicol Sci 12:585.
 - Aldrich TE, Peoples AJ. 1982. Malignant melanoma and drinking water contamination. Bull Environ Contam Toxicol 28:519-523.
- * Amoore JE, Hautala E. 1983. Odor as an aid to chemical safety: Odor thresholds compared with threshold limit values and volatilities for 214 industrial chemicals in air and water dilution. J Appl Toxicol 3:272-290.
- * Anders MW, Stevens JL, Sprague RW, et al. 1978. Metabolism of haloforms to carbon monoxide: II. In viva studies. Drug Metab Dispos 6:556-560.
- * Anderson ME, Clewell HJ, Gargas ML, et al. 1987. Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. Toxicol Appl Pharmacol 87:185-205.
 - Anonymous. 1985. Chlorodibrohomethane. Dangerous Properties of Industrial Materials Reports 5:61-63.
- * Antoine SR, DeLeon IR, O'Dell-Smith RM. 1986. Environmentally significant volatile organic pollutants in human blood. Bull Environ Contam Toxicol 36:364-371.

^{* =} cited in text.

- * APHA. 1985a. Halogenated methanes and ethanes by purge and trap-method 514. In: Greenberg AF, Trussell RR, Clesceri LS, eds. Standard methods for the examination of water and wastewater. 16th ed. Washington, DC: American Public Health Association, 591-602.
- * APHA. 1985b. Organic contaminants, gas chromatographic/mass spectrometric method method 516. In: Greenberg AF, Trussell RR, Clesceri LS, eds. Standard methods for the examination of water and wastewater, 16th ed. Washington, DC: American Public Health Association, 612-619.
 - Arena JM, Drew RH, eds. 1986. Poisoning: Toxicology-symptoms treatments. 5th ed. Springfield, IL: Charles C. Thomas, Publisher, 522, 652.
- * Arguello MD, Chriswell CD, Fritz JS, et al. 1979. Trihalomethanes in water: A report on the occurrence, seasonal variation in concentrations, and precursors of trihalomethanes. JAWWA 71:504-508.
 - Ashby J, Tennant RW. 1988. Chemical structure, Salmonella mutagenicity and extent of carcinogenicity as indicators of genotoxic carcinogenesis among 222 chemicals tested in rodents by the U.S. NCI/NTP. Mutat Res 204:17-115.
- * ASTM. 1988. Low molt lar weight halogenated hydrocarbons in water method D 3978-85. In: 1988 Annual book of ASTM standards: Water and environmental technolc . Vol. 11.02. Water (II). Philadelphia, PA: American Society for testing and Materials, 141-145.
- * ATSDR. 1989a. Toxicological profile for chloroform. Atlanta, GA: Agency for Toxic Substances and Disease Registry (ATSDR), January, 1989.
- * ATSDR. 1989b. Toxicological profile for carbon tetrachloride.
 Atlanta, GA: Agency For Toxic Substances and Disease Registry (ATSDR),
 December 1989.
 - Axelson 0. 1985. Halogenated alkanes and alkenes and cancer: epidemiological aspects. In: Fishbein L, O'Neill IK, eds. Environmental carcinogens selected methods of analysis. Vol. 7. Some volatile halogenated hydrocarbons. Lyon, France: International Agency for Research on Cancer, 5-20.
- * Balster RL, Borzelleca JF. 1982. Behavioral toxicity of trihalomethane contaminants of drinking water in mice. Environ Health Perspect 46:127-136.

- * Barkley J, Bunch J, Bursey JT, et al. 1980. Gas chromatography/mass spectrometry computer analysis of volatile halogenated hydrocarbons in man and his environment A multimedia environmental study. Biomed Mass Spectrom 7:139-147.
- * Barnes D, Bellin J, DeRosa C, et al. 1987. Reference dose (RfD): Description and use in health risk assessments. Vol. I, Appendix A: Integrated risk information system supportive documentation. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA/600/8-86/032a.

Batjer K, Gabel B, Koschorrek M, et al. 1980. Drinking water in Bremen: Trihalomethanes and social costs: A case study of bromoform formation during chlorination of river water highly contaminated with bromide ions. Sci Total Environ 14:287-291.

Bedding ND, McIntyre AE, Perry R, et al. 1982. Organic contaminants in the aquatic environment: I. Sources and occurrence. Sci Total Environ 25:143-167.

- * Beech JA. 1980. Estimated worst case trihalomethane body burden of a child using a swimming pool. Med Hypothesis 6:303-307.
- * Beech JA, Diaz R, Ordaz CO, et al. 1980. Nitrates, chlorates and trihalomethanes in swimming pool water. Am J Public Health 70:79-82.

Beissner RS, Guilford WJ, Coates RM, et al. 1981. Synthesis of brominated heptanones and bromoform by a bromoperoxidase of marine origin. Biochemistry 20:3724-3731.

- * Bellar TA, Lichtenberg JJ, Kroner RC. 1974. The occurence of organohalides in chlorinated drinking waters. JAWWA 66:703-706.
- * Benson M. 1907. Poisoning by bromoform. Br Med J (July 27):204.
- * Berg WW, Heidt LE, Pollock W, et al. 1984. Brominated organic species in the Arctic atmosphere. Geophysical Research Letters 11:429-432.

Binz C. 1891. [The conversion of bromoform in warm-blooded animals.] Archiv f experiment Path u Pharmakol 28:201-205. (German)

Bonome, Mazza. 1884. Uber die physiologische Wirkung des Bromoform, des Bromathyl und des Bromathylen. Centralblatt fur Chirugie 36:593-594. (German)

* Borzelleca JF. 1983. A review of volatile organic contaminant data. Proceedings - American Water Works Association Water Quality Technology Conference.

- * Borzelleca JF, Carchman RA. 1982. Effects of selected organic drinking water contaminants on male reproduction. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development. EPA 600/1-82-009. NTIS No. PB82-259847.
 - Bourquin AW, Gibson DT, 1980. Microbial degradation of halogenated hydrocarbons. In: Jolley RL, Gorchev H, Hamilton, DH, Jr., eds. Water chlorination: Environmental impact and health effects. Vol. 2. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 253-264.
- * Bouwer EJ, McCarty PL. 1983a. Transformation of 1- and 2-carbon halogenated aliphatic organic compounds under methanogenic conditions. Appl Environ Microbial 45:1286-1294.
- * Bouwer EJ, McCarty PL. 1983b. Transformation of halogenated organic compounds under dentrification conditions. Appl Environ Microbial 45:1295-1299.
- * Bouwer EJ, McCarty PL. 1984. Modeling of trace organics biotransformation in the subsurface. Ground Water 22:433-440.
- * Bouwer EJ, Rittman BE, McCarty PL. 1981. Anaerobic degradation of halogenated 1- and 2-carbon organic compounds. Environ Sci Technol 15:596-599.
- * Bouwer EJ, Wright JP. 1986. Anoxic transformations of trace halogenated aliphatics [Abstract]. American Chemical Society: Environmental Chemistry Section 26:42-45.
- * Bowman FJ, Borzelleca JF, Munson AE. 1978. The toxicity of some halomethanes in mice. Toxicol Appl Pharmacol 44:213-215.
- * Brass HF, Feige MA, Halloran T, et al. 1977. The national organic monitoring survey: Samplings and analyses for purgeable organic compounds. In: Pojasek RB, ed. Drinking water quality enhancement through source protection. Ann Arbor, MI: Ann Arbor Science Publishers, 393-416.
 - Brett RW, Calverley RA. 1979. A 1-year survey of trihalomethane concentration changes within a distribution system. JAWWA 71:515-520.
- * Brodzinsky R, Singh HB. 1983. Volatile organic chemicals in the atmosphere: An assessment of available data. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development. EPA-600/3-83-027(A).
- * Burton-Fanning FW. 1901. Poisoning by bromoform. Br Med J May 18: 1202-1203.

- * Callahan MA, Slimak MW, Gabel NW, et al. 1979. Water-related environmental fate of 129 priority pollutants: Vol. I: Introduction and technical background, metals and inorganics, pesticides and PCB. Washington, DC: U.S. Environmental Protection Agency, Office of Water Planning and Standards. EPA-440/4-79-029a. NTIS No. PB80-204373.
- * Cantor KP. 1983. Epidemiologic studies of chlorination by-products in drinking water: An overview. In: Jolley RL, Brungs WA, Cotruvo JA, et al., eds. Water chlorination: Environmental impact and health effects. Vol. 4, Book 2. Environment, health, and risk. Ann Arbor, MI: Ann Arbor Science Publishers, 1381-1398.

Cantor KP, Hoover R, Mason TJ, et al. 1978. Associations of cancer mortality with halomethanes in drinking water. J Natl Cancer Inst 61:979-985.

Cantor KP, Hoover R, Hartge P, et al. 1985. Drinking water source and risk of bladder cancer: A case-control study. In: Jolley RL, Bull RJ, Davis WP, et al., eds. Water chlorination: Chemistry, environmental impact and health effects. Vol. 5. Williamsburg, VA: Lewis Publishers, Inc., 145-151.

- * Cantor KP, Hoover R, Hartge P, et al. 1987. Bladder cancer, drinking water source, and tap water consumption: A case-control study. J Natl Cancer Inst 79:1269-1279.
 - CCTTE. 1988. Computerized listing of chemicals being tested for toxic effects. United Nations Environment Programme, International Programme on Chemical Safety, International Register of Potentially Toxic Chemicals. Geneva, Switzerland. June 1988.
- * CDC/ATSDR. 1990. Biomarkers of organ damage or dysfunction for the renal, hepatobiliary and immuna systems. Atlanta, GA: Centers for Disease Control/Agency for Toxic Substances and Disease Registry (CDC/ATSDR). August 1990.
- * Cech I, Smith V, Henry J. 1981. Spatial and seasonal variations in concentration of trihalomethanes in drinking water. In: Albaiges J, ed. Analytical techniques in environmental chemistry II. New York, NY: Pergamon Press Ltd., 19-38.

Chenoweth MB, Hake CL. 1962. The smaller halogenated aliphatic hydrocarbons. Annual Review of Pharmacology 2:363-398.

Chu I, Secours V, Marino I, et al. 1980. The acute toxicity of four trihalomethanes in male and female rats. Toxicol Appl Pharmacol 52:351-353.

- * Chu I, Villeneuve DC, Secours VE, et al. 1982a. Toxicity of trihalomethanes: I. The acute and subacute toxicity of chloroform, bromodichloromethane, chlorodibromomethane and bromoform in rats. J Environ Sci Health [B] 17:205-224.
- * Chu I, Villeneuve DC, Secours VE, et al. 1982b. Trihalomethanes: II. Reversibility of toxicological changes produced by chloroform, bromodichloromethane, chlorodibromomethane and bromoform in rats. J Environ Sci Health [B] 17:225-240.
 - Clansky KB, ed. 1986. Chemical guide to the OSHA hazard communication standard. Burlingame, CA: Roytech Publications Inc., 653-655.
- * Class T, Kohnle R, Ballschmiter K. 1986. Chemistry of organic traces in air VII: Bromo- and bromochloromethanes in air over the Atlantic Ocean. Chemosphere 15:429-436.
 - Clayton GD, Clayton FE, eds. 1981. Patty's industrial hygiene and toxicology. 3rd ed. New York, NY: John Wiley and Sons, 3469-3470.
 - CLC. 1988. Coordinated List of Chemicals. U.S. Environmental Protection Agency, Office of Research and Development, Washington, DC.
- * CLPSD. 1988. Contract Laboratory Program Statistical Database. Viar and Company, Management Services Division, Alexandria, VA. December 1988.
 - Cole RH, Frederick RE, Healy RP, et al. 1984. Preliminary findings of the priority pollutant monitoring project of the nationwide urban runoff program. J Water Pollut Control Fed 56:898-908.
- * Coleman WE, Lingg RD, Melton RG, et al. 1975. The occurrence of volatile organics in five drinking water supplies using gas chromatography/mass spectrometry. In: Keith IH, ed. Identification and analysis of organic pollutants in water. Ann Arbor Science Publishers, Inc., 305-327.
- * Condie LW, Smallwood CL, Laurie RD. 1983. Comparative renal and hepatotoxicity of halomethanes: Bromodichloromethane, bromoform, chloroform, dibromochloromethane and methylene chloride. Drug Chem Toxicol 6:563-578.
- * Crump KS. 1983. Chlorinated drinking water and cancer: The strength of the epidemiologic evidence. In: Jolley RL, Brungs WA, Cotruvo JA, et al., eds. Water chlorination: Environmental impact and health effects. Vol. 4, Book 2. Environment, health, and risk. Ann Arbor, MI: Ann Arbor Science Publishers, 1481-1491.

* Curtis GP, Robert PV, Reinhard M. 1986. A natural gradient experiment on solute transport in a sand aquifer. 4. Sorption of organic solutes and its influence on mobility. Water Resources Research 22:2059-2067.

DeCarlo VJ. 1979. Studies on brominated chemicals in the environment. Ann NY Acad Sci 320:678-681.

DeGreef E, Morris JC, Van Kreijl CF, et al. 1980. Health effects in the chemical oxidation of polluted waters. In: Jolley RL, Brungs WA, Cumming RB, eds. Water chlorination: Environmental impact and health effects. Vol. 3. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 913-924.

Dilling WL. 1977. Interphase transfer processes. II. Evaporation rates of chloro methanes, ethanes, ethylenes, propanes, and propylenes from dilute aqueous solutions. Comparisons with theoretical predictions. Environ Sci Technol 11:405-409.

Docks EL, Krishna G. 1976. The role of glutathione in chloroforminduced hepatotoxicity. Exp Mol Path01 24:13-22.

Dowty B, Carlisle D, Laseter JL. 1975. Halogenated hydrocarbons in New Orleans drinking water and blood plasma. Science 187:75-77.

Dunnick JK, Haseman JK, Lilja HS, et al. 1985. Toxicity and carcinogenicity of chlorodibromomethane in Fischer 344/N rats and B63CF, mice. Fundam Appl Toxicol 5:1128-1136.

- * Dwelle EH. 1903. Fatal bromoform poisoning. JAMA 41:1540.
- * Dykan VA. 1962. Changes in liver and kidney functions due to methylene bromide and bromoform. Nauchn Tr Ukr Nauchn-Issled Inst Gigieny Truda i Profzabolevanii 29:82-90. (Chem Abstracts 60:8541d).
- * Dykan VA. 1964. Problems on toxicology, clinical practice, and work hygiene in the production of bromine-organic compounds. Gigiena 5b:100-103. (Chem Abstracts 63:154299).
- * EPA. 1980a. Ambient water quality criteria for halomethanes. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards. EPA 440/5-80-051.
- * EPA. 1980b. Volatile organic compounds isotope dilution GC-MS method 1624. Washington, DC: U.S. Environmental Protection Agency.
- * EPA. 1980c. U.S. Environmental Protection Agency. Federal Register. 45:33133.

- * EPA. 1982a. Test method: Purgeable halocarbons method 601. In: Longbottom JE, Lichtenberg JJ, eds, Test methods: Methods for organic chemical analysis of municipal and industrial wastewater. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development. EPA-600/4-82-057.
 - EPA. 1982b. Test method: Purgeables method 624. In: Longbottom JE, Lichtenberg JJ, eds. Test methods: Methods for organic chemical analysis of municipal and industrial wastewater. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development. EPA-600/4-82-057.
 - EPA. 1983a. Reportable quantity document for chlorodibromomethane (dibromochloromethane). Cincinnati, OH: U.S. Environmental Protection Agency, Office of Environmental Criteria and Assessment.
 - EPA. 1983b. Reportable quantity document for tribromomethane (bromoform). Cincinnati, OH: U.S. Environmental Protection Agency, Office of Environmental Criteria and Assessment.
- * EPA. 1983c. Treatability manual. Vol. I. Treatability data. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development. EPA-600/2-82-00la.
- * EPA. 1985. U.S. Environmental Protection Agency: Part II. Federal Register. 50:13456-13522.
- * EPA. 1986a. Halogenated volatile organics method 8010. In: Test methods for evaluating solid waste. 3rd ed. SW-846. Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
- * EPA. 1986b. Gas chromatography/mass spectrometry for volatile organics, method 8240. In: Test methods for evaluating solid waste. 3rd ed. SW-846. Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
 - EPA. 1986c. U.S. Environmental Protection Agency. External review draft for the drinking water criteria document on trihalomethanes. Washington, DC: U.S. Environmental Protection Agency, Office of Drinking Water.
- * EPA. 1987a. U.S. Environmental Protection Agency: Part II. Federal Register. 52:25690-25717.
- * EPA. 1987b. U.S. Environmental Protection Agency: Part II. Federal Register. 52:25942-25953.

- * EPA. 1987c. U.S. Environmental Protection Agency. Part V. Federal Register. 52:25760-25792.
- * EPA. 1988a. U.S. Environmental Protection Agency: Part V. Federal Register. 53:38642-38654.
- * EPA. 1988b. U.S. Environmental Protection Agency: Part II. Federal Register. 53:4500-4539.
- * EPA. 1988c. U.S. Environmental Protection Agency: Part II. Federal Register. 53:31138-31222.
- * EPA. 1989. Interim methods for development of inhalation references doses. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA 600/8-88/066F.

Exichem Data Base, 1989. Organization for Economic Cooperation and Development.

* Fabbri A, Crescentini G, Mangani, F, et. al. 1987. Advances in the determination of volatile organic solvents and other organic pollutants by gas chromatography with thermal desorption sampling and injection. Chromatographia 23:856-860.

Faust SD. 1977. Chemical mechanisms affecting the fate of organic pollutants in natural aquatic environments. Advances in Environmental Science Technology 8:317-365.

Fawell JK, Fielding M. 1985. Identification and assessment of hazardous compounds in drinking water. Sci Total Environ 47:317-341. Fayad NM, Iqbal S. 1985. Analysis of drinking water for the detection of trihalomethanes. Bull Envi(ron Contam Toxicol 35:576-582.

- * Fishbein L. 1985. A survey of the analysis of halogenated alkanes and alkenes in biological samples. In: Fishbein L, O'Neill IK, eds. Environmental carcinogens selected methods of analysis. Vol. 7 Some volatile halogenated hydrocarbons. Publication No. 68. Lyon, France: International Agency for Research on Cancer, 141-168.
- * Fraga CG, Leibovitz BE, Tappel AL. 1987. Halogenated compounds as inducers of lipid peroxidation in tissue slices. Free Radic Biol Med 3:119-123.

Francois C, Mestres R, Causse C. 1979. Volatilization rates of some halogen pollutants in water. Trav Sot Pharm Montpellier 39:49-58.

- * FSTRAC. 1988. Summary of state and federal drinking water standards and guidelines. Washington, DC: Federal-State Toxicology and Regulatory Alliance Committee.
- * Furlong EA, D'Itri FM. 1986. Trihalomethane levels in chlorinated Michigan drinking water. Ecological Modeling 32:215-225.
- * Galloway SM, Bloom AD, Resnick M, et al. 1985. Development of a standard protocol for <u>in vitro</u> cytogenetic testing with Chinese hamster ovary cells: Comparison of results for 22 compounds in two laboratories. Environ Mutagen 7:1-51.

Ghess MJ, Wilbourn J, Tossavainen A, et al. 1986. Information bulletin on the survey of chemicals being tested for carcinogenicity. No. 12. Lyon, France: International Agency for Research on Cancer, 98, 212, 226.

* Glaze WH, Rawley R. 1979. A preliminary survey of trihalomethane levels in selected east Texas water supplies. JAWWA 71:509-515.

Golderman L, Gellert J, Teschke R. 1983. Quantitative assessment of carbon tetrachloride levels in human blood by head-space gas chromatography: Application in a case of suicidal carbon tetrachloride intoxication. Intensive Care Med 9:131-135.

Gowda TPH, Asce AM, Lock JD. 1985. Volatilization rates of organic chemicals of public health concern. Journal of Environmental Engineering 3:755-776.

* Graham EA. 1915. Late poisoning with chloroform and other alkyl halides in relationship to the halogen acids formed by their chemical dissociation. J Exp Med 221:48-75.

Grant WM. 1974. Toxicology of the eye: Drugs, chemicals, plants, venoms. 2nd ed. Springfield, IL: Charles C. Thomas, Publisher, 203.

Gross PM, Saylor JH. 1931. The solubilities of certain slightly soluble organic compounds in water. J Am Chem Sot 53:1744-1751.

Gschwend PM, Zafiriou OC, Mantoura RFC, et al. 1982. Volatile organic compounds at a coastal site. 1. Seasonal variations. Environ Sci Technol 16:31-38.

* Gschwend PM, MacFarlane JK, Newman KA. 1985. Volatile halogenated organic compounds released to seawater from temperate marine macroalgae. Science 227:1033-1035.

- * Harris RN, Ratnayake JH, Garry VF, et al. 1982. Interactive hepatotoxicity of chloroform and carbon tetrachloride. Tox Appl Pharmacol 63:281-291.
- * Hassett JJ, Banwart WL, Griffin RA. 1983. Chapter 15: Correlation of compound properties with sorption characteristics of nonpolar compounds by soils and sediments: Concepts and limitations. In: Francis CW, Averbach SI. eds. Environment and solid wastes: Characterization, treatment, and disposal. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 161-176.
- * Hawthorne B. 1988. 1988 workshop on supercritical fluid chromatography. American Laboratory (August 1988):6-8.

Haworth S, Lawlor T, Mortelmans K, et al. 1983. Salmonella mutagenicity test results for 250 chemicals. Environ Mutagen Suppl 1:3-142.

Heikes Dl. 1987. Pesticide and industrial chemical residues: Purge and trap method for determination of volatile halocarbons and carbon disulfide in table-ready foods. J Assoc Off Anal Chem 70:215-226.

Hekmati M, Bradley RL Jr, Sunde ML. 1983. Use of a fertile egg injection technique to assess toxicity of chlorinated compounds found in drinking water. Journal of Food Protection 46:690-692.

Henderson VE. 1930. Anaesthetic toxicity. Arch Int Pharmacodyn Ther 38:150-165.

Herren-Freund SL, Pereira MA. 1986. Carcinogenicity of by-products of disinfection in mouse and rat liver. Environ Health Perspect 69:59-65.

* Hewitt WR, Brown EM, Plaa GL. i1983. Acetone-induced potentiation of trihalomethane toxicity in male rats. Toxicol Lett 16:285-296.

Hopkins RM, Krantz JC Jr. 1968. Anesthesia LXXV: Relative effects of haloforms and epinephrine on cardiac automaticity. Anesthesia and Analgesia 47:57-67.

- * HSDB. 1988. Hazardous Substances Data Eank. National Library of Medicine, National Toxicology Information Program, Bethesda, MD. December 1988.
- * Hutzler NJ, Crittenden JC, Gierke JS. 1986. Transport of organic compounds with saturated groundwater flow: Experimental results. Water Resources Research 22:285-295.

- IARC. 1988. International Agency for Research on Cancer. Lyon, France.
- * IRIS. 1988. Integrated Risk Information System. U.S. Environmental Protection Agency, Washington, DC. December 1988.
 - Irish DD. 1962. Aliphatic halogenated hydrocarbons. In: Patty FA, ed. Industrial hygiene and toxicology. 2nd ed. Vol. II. Toxicology. New York, NY: Interscience Publishers, 1262-1263.
 - IRPTC. 1989. IRPTC data profile: Bromoform. International Register of Potentially Toxic Chemicals. United Nations Environment Programme, Geneva, Switzerland. January 1989.
 - Isacson P, Bean JA, Lynch C. 1981. Relationship of cancer incidence rates in Iowa municipalities to chlorination status of drinking water. In: Jolley RL, Brungs WA, Cotruvo JA, et al., eds. Water chlorination: Environmental impact an health effects. Vol. 4, Part 2. Ann Arbor, MI: Ann Arbor Science Publishers, 1353-1364.
- * Jenkins TF, Leggett DC, Parker LV, et al. 1985. Toxic organics removal kinetics in overland flow land treatment. Water Res 19:707-718.
 - Jerpe J, Davis A. 1987. Ambient capillary chromatography of volatile organics with a portable gas chromatograph. J Chromatogr Sci 25:154-157.
 - Jury WA, Winer AM, Spencer WF, et al. 1987. Transport and transformations of organic chemicals in the soil-air-water ecosystem. Rev Environ Contam Toxicol 99:120-164.
- * Kaczmar SW, D'Itri FM, Zabik MJ. 1984. Volatization rates of selected haloforms from aqueous environments. Environ Toxicol Chem 3:31-35.
- * Kanarek MS, Young TB. 1982. Drinking water treatment and risk of cancer death in Wisconsin. Environ Health Perspect 46:179-186.
 - Kavlock R, Chernoff N, Carver B, et al. 1979. Teratology studies in mice exposed to municipal drinking-water concentrates during organogenesis. Food Cosmet Toxicol 17:343-347.
- * Keith LH, Garrison AW, Allen FR, et al. 1976. Identification of organic compounds in drinking water from thirteen U.S. cities. In: Keith LH, ed. Identification and analysis of organic pollutants in water. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 329-373.

- * Kelley RD. 1985. Synthetic organic compound sampling survey of public water supplies. Iowa Department of Water, Air and Waste Management. Des Moines, IA. April.
- * Kenaga EE. 1980. Predicted bioconcentration factors and soil sorption coefficients of pesticides and other chemicals. Ecotoxicol Environ Safety 4:26-38.

Khristov K, Bratanova Z. 1986 Content of trichloromethane in drinking water and determination of toxicological parameters of some of them in acute experiment [Abstract]. Khig Zoraveopaz 5:39.

* Klingensmith JS, Mehendale HM. 1981. Potentiation of brominated halomethane hepatotoxicity by chlordecone in the male rat. Toxicol Appl Pharmacol 61:378-384.

Kobayashi H, Rittmann BE. 1982. Microbial removal of hazardous organic compounds. Environ Sci Technol 16:170A-183A.

- * Kobert R. 1906. Lehrbuch der Intaxikationen. II band. Spezieller teil. Stuttgart: Verlag Von Ferdinand Enke, 914-916.
- * Kool HF, Van Kreijl CF, Van Kranen HJ, et al. 1981. Toxicity assessment of organic compounds in drinking water in the Netherlands. Sci Total Environ 18:135-153.

Kopfler FC, Melton RG. 1977. Human exposure to water pollutants. In: Suffet IH, ed. Advances in environmental science and technology. Vol. 8. Fate of pollutants in the air and water environments. Part 2. Chemical and biological fate of pollutants in the environment. New York, NY: John Wiley and Sons, 419-433.

Korolev AA, Donchenko AI. 1985. Toxicological characteristics of halomethanes: Dichlorobromomethane and dibromochloromethane formed in water chlorination. Gig Sanit 4:80-82.

Koyama Y, Nakazawa Y. 1986. Comparison of the effect of trihalomethanes on lipid metabolism in rat liver slice. Toxicol Lett 31:37-44.

Kraybill HF. 1980. Evaluation of public health aspects of carcinogenic/mutagenic biorefractories in drinking water. Prev Med 9:212-218.

* Kroneld R. 1985. Recovery and reproducibility in determination of volatile halocarbons in water and blood. Bull Environ Contam Toxicol 34:486-496.

- Kroneld R. 1986. Volatile halocarbons in water. Bull Environ Contam Toxicol 37:677-685.
- Kroneld R. 1987. Effect of volatile halocarbons on lymphocytes and cells of the urinary tract. Bull Environ Contam Toxicol 38:856-861.
- Kudchadker AP, Kudchadker SA, Shukla RP, et al. 1979. Vapor pressures and boiling points of selected halomethanes. J Phys Chem Ref Data 8:499-517.
- Kutob SD, Plaa GL. 1962. A procedure for estimating the hepatotoxic potential of certain industrial solvents. Toxicol Appl Pharmacol 4:354-361.
- Kuzma RJ, Kuzma CM, Buncher CR. 1977. Ohio drinking water source and cancer rates. AJPH 77:725-729.
- Lahl U, Cetinkaya M, Duszeln JV, et al. 1982. Health risks for infants caused by trihalomethane generation during chemical disinfection of feeding utensils. Ecology of Food and Nutrition 12:7-17.
- * LaRegina J, Bozzelli JW, Harkov R, et al. 1986. Volatile organic compounds at hazardous waste sites and a sanitary landfill in New Jersey, Environmental Progress 5:18-27.
 - Lawrence CE, Taylor PR, Track BJ, et al. 1984. Trihalomethanes in drinking water and human colorectal cancer. J Natl Cancer Inst 72:563-568.
 - Leuze E. 1922. Zur Theorie der Narkose: Die Veteilung der Inhalationsnarkotika im Tierkorper. Archiv F experiment Path u Pharmakol 95:145-165. (German)
 - Ligocki MP, Pankow JF. 1985. Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax gas chromatography for the collection and analysis of ambient organic vapors. Anal Chem 57:1138-1144.
- * Ligocki MP, Leuenberger C, Pankow JF. 1985. Trace organic compounds in rain-II. Gas scavenging of neutral organic compounds. Atmos Environ 19:1609-1617.
 - Lucas GHW. 1928. A study of the fate and toxicity of bromine and chlorine containing anesthetics. J Pharmacol 34:223-237.
- * Mabey W, Mill T. 1978. Critical review of hydrolysis of organic compounds in water under environmental conditions. J Phys Chem Ref Data 7:383-409.

- * Mabey WR, Smith JH, Pod011 RT, et al. 1982. Aquatic fate process data for organic priority pollutants. Washington, DC: U.S. Environment Protection Agency, Office of Water Regulations and Standards. EPA-440/4-81-014.
- * Mack GA, Stanley J. 1985. The national human adipose tissue survey, Washington, DC: U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances.
- * Mackay D, Shiu WY. 1981. A critical review of Henry's Law constants for chemicals of environmental interest. J Phys Chem Ref Data 10:1175-1199.
- * Mackay D, Bobra A, Chan D, et al. 1982. Vapor pressure correlations for low-volatility environmental chemicals. Environ Sci Technol 16:645-649.

Mackay DM, Freyberg DL, Goltz MN, et al. 1983. A field experiment on ground water transport of halogenated organic solutes. American Chemical Society: Division of Environmental Chemistry. 23:368-371.

Mackay DM, Ball WP, Durant MG. 1986a. Variability of aquifer sorption properties in a field experiment on groundwater transport of organic solutes: Methods and preliminary results. Journal of Contaminant Hydrology 1:119-132.

Mackay DM, Freyberg DL, Roberts PV, et al. 1986b. A natural gradient experiment on solute transport in a sand aquifer: 1. Approach and overview of plume movement. Water Resource Research 22:2017-2029.

* Maddock MB, Kelly JJ. 1980. A sister chromatid exchange assay for detecting genetic damage to marine fish exposed to mutagens and carcinogens. In: Jolley RL, Qrungs WA, Cumming RB, eds. Water chlorination: Environmental impact and health effects. Vol. 3. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 835-844.

Maresova Z, Mach 0, Friedberger V, et al. 1957. The dissolution of gallstones with bromoform [Abstract]. Casopis Lekaru Ceskych 96:179-182.

- * Marienfeld CJ, Collins M, Wright H, et al. 1986. Cancer mortality and the method of chlorination of public drinking water: St. Louis City and St. Louis County, Missouri. J Environ Path01 Toxicol Oncol 7:141-158.
- * Merzbach L. 1928. [The pharmacology of methyl bromide and related compounds.] Z Gesamte Ep Med 63:383-392. (German)

- * Michael LC, Pellizzari ED, and Wiseman RW. 1988. Development and evaluation of a procedure for determining volatile organics in water. Environ Sci Technol 22:565-570.
- * Milanovich FP. 1986. Detecting chloroorganics in groundwater. Environ Sci Technol 20:441-442.
 - Mill T, Winterle JS, Davenport JE, et al. 1982. Validation of estimation techniques for predicting environmental transformation of chemicals. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances.
- * Mink FL, Brown JT, Rickabaugh J. 1986. Absorption, distribution, and excretion of 14C-trihalomethanes in mice and rats. Bull Environ Contam Toxicol 37:752-758.
 - Mochida K, Yamasaki M. 1984. Toxicity of halomethanes to cultured Human and monkey cells. Bull Environ Contam Toxicol 33:253-256.
- * Moody DA, Smuckler EA. 1986. Disturbances in hepatic heme metabolism in rats administered alkyl halides. Toxicol Lett 32:209-214.
 - Moody DE, James JL, Clawson GA, et al. 1981. Correlations among the changes in hepatic microsomal components after intoxication with alkyl halides and other hepatotoxins. Mol Pharmacol 20:685-693.
- * Morimoto K, Koizumi A. 1983. Trihalomethanes induce sister chromatid exchanges in human lymphocytes <u>in vitro</u> and mouse bone marrow ceils <u>in vivo</u> Environ Res 32:72-79.
- * Morris RL, Johnson LG. 1976. Agricultural runoff as a source of halomethanes in drinking water. JAWWA 68:492-494.
- * Munson AE, Sain LE, Sanders VM, et al. 1982. Toxicology of organic drinking water contaminants: Trichloromethane, bromodichloromethane, dibromochloromethane, and tribromomethane. Enviorn Health Perspect 46:117-126.
- * Munz C, Roberts PV. 1987. Air-water phase equilibria of volatile organic solutes. JAWWA 79:62-69.
 - NAS. 1977. Drinking water and health. Washington, DC: National Academy of Sciences, 695-697.
- * NAS. 1980. Drinking water and health: Vol. 3. Washington, DC: National Academy of Sciences, 189, 205-206.

NAS. 1987. Drinking water and health: Disinfectants and disinfectant byproducts. Vol. 7. Washington, DC: National Academy of Sciences, 111-112.

- * NAS/NRC. 1989, Biologic markers in reproductive toxicology. National Academy of Sciences/National Research Council. Washington, DC: National Academy Press, 15-35.
- * NATICH. 1988. National air toxics information clearing house: NATICH data base report on state, local and EPA air toxics activities: Final. Austin, TX: Radian Corporation. EPA 450/5-88-007.
- * Nestmann ER, Lee E G-H. 1985. Genetic activity in Saccharomyces cerevisiae of compounds found in effluents of pulp and paper mills. Mutat Res 155:53-60.

Newsom JM. 1985. Transport of organic compounds dissolved in ground water. Ground Water Monitoring Review 51:28-36.

- * Nicholson BC, Maguire BP, Bursill DB. 1984. Henry's Law constants for the trihalomethanes: Effects of water composition and temperature. Environ Sci Technol 18:518-521.
- * NIOSH. 1984. Hydrocarbons, halogenated method 1003. In: Eller PM, ed. NIOSH manual of analytical methods. 3rd ed. Vol. 2. Cincinnati, OH: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health. DHHS (NIOSH) Publication No. 84-100.

NIOSH. 1988. National Occupational Hazard Survey Printout. Cincinnati, OH: National Institute of Occupational Safety and Health. December 1988.

- * NLM. 1988. National Library tf Medicine CHEMLINE database. National Library of Medicine, Bethesda, MD. December 1988.

 Norin H, Renberg L. 1980. Determination of trihalomethanes in water using high efficiency solvent extraction. Water Res 14:1397-1402.
- * NTP. 1985. Toxicology and carcinogenesis studies of chlorodibromomethane (CAS No. 124-48-1) in F344/N rats and B6C3F, mice (gavage studies). Technical report series no. 282. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health, National Toxicology Program. NIH Publication No. 88-2538.

- * NTP. 1988. Toxicology and carcinogenesis studies of tribromomethane (bromoform) (CAS No. 75-25-2) in F344/N rats and B6C3F, mice (gavage studies). Technical report series no. 350. Research Traingle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Institute of Health, National Toxicology Program. NIH Publication No. 88-2805.
- * NTP. 1989. Bromoform: Reproduction and fertility assessment in Swiss CD-1 mice when administered by gavage. Report to National Toxicology Program, Research Triangle Park, NC, by Environmental Health Research and Testing, Inc., Lexington, KY. NTP-89-068. NTIS No. PB89-169254.
- * O'Brien PJ. 1988. Radical formation during the peroxidase catalyzed metabolism of carcinogens and xenobiotics: The reactivity of these radicals with GSH, DNA, and unsaturated lipid. Free Radic Biol Med 4:169-184.
- * Orrell JK, Mackie M. 1988. Economic impact analysis of final test rule for 33 solid waste chemicals. Washington, DC: U. S Environmental Protection Agency, Office of Toxic Substances, Economics and Technology Division, 23-24.
- * ORVWSC. 1979. Water treatment process modifications for trihalomethane control and organic substances in the Ohio river. Ohio River Valley Water Sanitation Commission, Cincinnati, OH. August.
- * OSHA. 1989. Department of Labor, Occupational Safety and Health Administration: Part III. Federal Register. 54:2332-2983.
 - Otson R, Williams DT, Bothwell PD. 1982. Volatile organic compounds in water at thirty Canadian potable water treatment facilities. J Assoc Off Anal Chem 65:1370-1374.
- * Page GW. 1981. Comparison of groundwater and surface water for patterns and levels of contamination by toxic substances. Environ Sci Technol 15:1475-1481.
- * Pankow JF, Isabelle LM, Asher WE. 1984. Trace organic compounds in rain. 1. Sampler design and analysis by adsorption/thermal desorption (ATD). Environ Sci Technol 18:310-318.
- * Pankow JF, Ligocki MP, Rosen ME, et al. 1988. Adsorption/thermal desorption with small cartridges for the determination of trace aqueous semivolatile organic compounds. Anal Chem 60:40-47.

* Pellizzari ED. 1978. Environmental monitoring near industrial sites: brominated chemicals. Part I. Washington, DC: U.S. Environmental Protection Agency, Office of Toxic Substances. EPA 560/6-78-002. NTIS No. PB 286484.

Pellizzari ED, Harwell TD, Harris BS, et al. 1982. Purgeable organic compounds in mother's milk. Bull Environ Contam Toxicol 28:322-328.

- * Pellizzari ED, Zweidinger RA, Sheldon LS. 1985a. Method 24: GC/MS determination of volatile hydrocarbons in breath samples. In: Fishbein L, O'Neill IK, eds. Environmental carcinogens selected methods of analysis. Vol. 7. Lyon, France: International Agency For Research on Cancer, 413-431.
- * Pellizzari ED, Sheldon LS, Bursey JT. 1985b. GC/MS determination of volatile halocarbons in blood and tissue. In: Fishbein L, O'Neill IK, eds. Environmental carcinogens selected methods of analysis. V o l . 7

Lyon, France: International Agency for Research on Cancer, 435-444.

* Peoples AJ, Pfaffenberger CD, Shafik TM. 1979. Determination of volatile purgeable halogenated hydrocarbons in human adipose tissue and blood serum. Bull Environ Contam Toxicol 23:244-249.

Pereira MA. 1983. Carcinogenicity of chlorination byproducts: Trihalomethanes. In: Jolley RL, Brungs WA, Cotruvo JA, et al., eds. Water chlorination: Environmental impact and health effects. Vol. 4, Book 2. Environment, health and risk. Ann Arbor, MI: Ann Arbor Science Publishers, 1165-1176.

Pereira MA, Herren SL, Britt AL, et al. 1982a. Initiation/promotion bioassay in rat liver: Use of gamma glutamyltranspeptidase-positive foci to indicate carcinogenic activity. Toxicol Path01 10:11-18.

Pereira MA, Lin L-HC, Lippitt'JM, et al. 1982b. Trihalomethanes as initiators and promoters of carcinogenesis. Environ Health Perspect 46:151-156.

- * Perry DL, Chuang CC, Jungclaus, et al. 1979. Identification of organic compounds in industrial effluent discharges. Athens, GA: U.S. Environmental Protection Agency, Office of Research and Development.
- * Perwak J, Goyer M, Harris J, et al. 1980. An exposure and risk assessment for trihalomethanes. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards.

PHRED. 1988. Public Health Risk Evaluation Database. Washington, DC: U.S. Environmental Protection Agency. December 1988.

- Piet GJ, Morra CHF, Kruijf DE. 1981. The behavior of organic micropollutant during passage through the soil. Studies in Environmental Science 17:557-564.
- * Plaa GL, Hewitt WR. 1982a. Methodological approaches for interaction studies: Potentiation of haloalkane-induced hepatotoxicity. National Research Council of Canada. Workshop on the Combined Effects of Xenobiotics, 67-96.
- * Plaa GL, Hewitt WR. 1982b. Potentiation of liver and kidney injury of ketones and ketogenic substances. Adv Pharmacol Ther Proc Int Cong 5:6.5-75.
 - Plaa GL. 1988. Experimental evaluation of haloalkanes and liver injury. Fundam Appl Toxicol 10:563-570.
- * Radding SB, Liu DH, Johnson HL, et al. 1977. Review of the environmental fate of selected chemicals. Washington, DC: U.S. Environmental Protection Agency, Offic of Toxic Substances. EPA 560/5-77-003. 69-72.
- * Rapson WH, Nazar MA, Butsky W. 1980. Mutagenicity produced by aqueous chlorination of organic compounds. Bull Environ Contam Toxicol 24:590-596.
- * Reitz RH, Mendrala AL, Guengerich FP. 1989. In vitro metabolism of methylene chloride in human and animal tissues: use in physiologically based pharmacokinetic models. Toxicol Appl Pharmacol 97:230-246.
 - Rittmann BE, McCarty PL, Roberts PV. 1980. Trace-organics biodegradation in aquifer recharge. Ground Water 18:236-243.
- * Roberts PV, Goltz MN, Mackay DM. 1986. A natural gradient experiment on solute transport in a sand aquifer. 3. Retardation estimates and mass balances for organic solutes. Water Resources Research 22:2047-2058.
- * Rook JJ. 1977. Chlorination reactions of fulvic acids in natural waters. Environ Sci Technol 11:478-482.
- * Roth 0. 1904. Zeitschr f Medizinalbeamte 17:233. (Cited in von Ottingen 1955).
- * Roy WR, Griffen RA. 1985. Mobility of organic solvents in water-saturated soil materials. Environ Geol Water Sci 7:241-247.

- * Ruddick JA, Villeneuve DC, Chu I, et al. 1983. A teratological assessment of four trihalomethanes in the rat. Environ Sci Health B18:333-349.
 - Sax NI. 1984. Dangerous properties of industrial materials. 6th ed. New York, NY: Jan Nostrand Reinhold Company, 529-530.
- * Sax NI, Lewis RJ, eds. 1987. Hawley's condensed chemical dictionary. 11th ed. New York, NY: Van Nostrand Reinhold Company.
 - Schwander P. 1936. Uber die diffusion halogenisierter kohlenwasserstoffe durch die haut. Arch Gewerbepath Gewerbehg 7:109-116. (German)
 - Scott DR. 1987. Classification and identification of hazardous organic compounds in ambient air by pattern recognition of mass spectral data. Environ Sci Technol 21:891-897.
 - Shen TT. 1982. Estimation of organic compound emissions from waste lagoons. J Air Pollut Control Assoc 32:79-82.
 - Simmon VF. 1977. Structural correlations of carcinogenic and mutagenic alkyl halides. In: Structural correlates of carcinogenesis and mutagenesis: A guide to testing priorities. Washington, DC: U.S. Food and Drug Administration, 163-171.
 - Simmon VF, Tardiff RG. 1978. The mutagenic activity of halogenated compounds found in chlorinated drinking water. In: Jolley RL, Gorchev H, Hamilton DH Jr, et al., eds. Water chlorination: Environmental impact and health effects. Vol. 2. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 417-431.
- * Simmon VF, Kauhanen K, Tardiff RG. 1977, chemicals identified in drinking water. Mutagenic activity of Dev Toxicol Environ Sci 2:249-258.
 - Sittig M. 1985a. Bromoform. In: Handbook of toxic and hazardous chemicals and compounds. Park Ridge, NJ: Noyes Publications, 149-150.
 - Sittig M. 1985b. Dibromochloromethane. In: Handbook of toxic and hazardous chemicals and compounds. Park Ridge, NJ: Noyes Publications, 306.
- * Smith VL, Cech I, Brown JH, et al. 1980. Temporal variations in trihalomethane content of drinking water. Environ Sci Technol 14:190-196.

- * Sobti RC. 1984. Sister chromatid exchange induction potential of the halogenated hydrocarbons produced during water chlorination. Chromosome Information Service 37:17-19.
- * SRI. 1985. Directory of chemical producers: United States of America. Palo Alto, CA. SRI International, 457.
- * SRI. 1986. Directory of chemical producers: United States of America. Palo Alto, CA. SRI International, 512.
- * SRI. 1987. Directory of chemical producers: United States of America. Palo Alto, CA. SRI International, 495.
- * SRI. 1988. Directory of chemical producers: United States of America. Palo Alto, CA. SRI International, 490.
- * Stanley JS. 1986. Broad scan analysis of human adipose tissue: Vol. 1 Executive summary. Washington, DC: U.S. Environmental Protection Agency, Office of Toxic Substances. EPA 560/5-86-035.
- * Staples CA, Werner AF, Hoogheem TJ. 1985. Assessment of priority pollutant concentrations in the United States using STORET database. Environ Toxicol Chem 4:131-142.
- * Stenger VA. 1978. Bromine compounds: Organic. In: Kirk-Othmer Encyclopedia of Chemical Technology, 3rd ed., Vol. 4. New York, NY: John Wiley and Sons, 243-263.
- * Stevens JL, Andrews MW. 1981. Metabolism of haloforms to carbon monoxide. IV. Studies on the reaction mechanism <u>in vivo</u>. Chem Biol Interact 37:365-374.
- * Stevens JL, Anders MW. 1978. Metabolism of haloforms to carbon monoxide-IV. Studies on the reaction mechanism in vitro -* Chem Biol Interact 37:365-374.
- * Stevens JL, Anders MW. 1979 * Metabolism of haloforms to carbon monoxide-III: Studies on the mechanism of the reaction. Biochem Pharmacol 28:3189-3194.

Stevens RH, Cole DA, Lindholm PT, et al. 1984. Identification of carcinogens by measurement of cell-mediated immunity v. antitumor immunity in rats to halogen-containing organic compounds. In: Jolley RL, Bull RJ, Davis WP, et al., eds. Water chlorination: Chemistry, environmental impact and health effects. Vol. 5. Chelsea, MI: Lewis Publishers, Inc., 251-264.

Sturges WT, Harrison RM. 1986. Bromine in marine aerosols and the origin, nature and quantity of natural atmospheric bromine. Atmospheric Environment 20:1485-1496.

Suitheimer C, Bost R, Sunshine I. 1982. Volatiles by headspace chromatography. In: Sunshine I, Jatlow PI, eds. Methodology for analytical technology. Vol. II. Boca Raton, FL: CRC Press, 1-9.

- * Symons JM, Bellar TA, Carswell JK, et al. 1975. National organics reconnaissance survey for halogenated organics. JAWWA 67:634-647.
- * Tabak HH, Quaze SA, Mashni CI, et al. 1981. Biodegradability studies with organic priority pollutant compounds. J Water Pollut Control Fed 53:1503-1518.

Tardiff RG, Carlson GP, Simmon V. 1975. Halogenated organics in tap water: In: Jolley RL, ed. Water chlorination: Environmental impact and health effects. Vol. 1. Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 195-209.

Theiss JC, Stoner GD, Shimkin MB, et al. 1977. Test for carcinogenicity of organic contaminants of United States drinking waters by pulmonary tumor response in strain A mice. Cancer Res 37:2717-2720.

- * Tobe M, Suzuki Y, Aida K, et al. 1982. Studies on the chronic oral toxicity of tribromomethane, dibromochloromethane, and bromodichloromethane. National Institute of Hygienic Sciences, Division of Toxicology, Biological Safety Research Center, 8-43.
- * Tomasi A, Albano E, Biasi F, et al. 1985. Activation of chloroform and related trihalomethanes to free radical intermediates in isolated hepatocytes and in the rat <u>in vivo</u> as detected by the ESR-spin trapping technique. Chem Biol Interact55:303-316.

TPCDB. 1988. Testing Priority Committee Data Base. U.S. Environmental Protection Agency, Office of Toxic Substances, Washington, DC.

* Trussell RR, Umphres MD. 1978. The formation of trihalomethanes. JAWWA 70:604-612.

Uhler AD, Means JC. 1985. Reaction of dissolved chlorine with surficial sediment: Oxidant demand and production of trihalomethanes. Environ Sci Technol 19:340-344.

* Varma MM, Balram A, Katz HM. 1984. Trihalomethanes in ground water systems. Journal of Environmental Systems 14:115-126.

- * Varma MM, Ampy FR, Verma K, et al. 1988. In vitro mutagenicity of water contaminants in complex mixtures. J Appl Toxicol 8:243-248.
 - Veenstra JN, Schnoor JL. 1980. Seasonal variations in trihalomethane levels in an Iowa river water supply. JAWWA 72:583-590.
- * Verschueren K. 1983. Handbook of environmental data on organic chemicals. 2nd ed. New York, NY: Van Nostrand Reinhold Company.
- * VIEW Database. 1989. Agency for Toxic Substances and Disease Registry (ATSDR), Office of External Affairs, Exposure and Disease Registry Branch, Atlanta, Ga. June 20, 1989. (Maps based on VIEW Database, June 12, 1989).
 - Vogel TM, Criddle CS, McCarty PL. 1987. Transformations of halogenated aliphatic compounds. Environ Sci Technol 21:722-736.
 - Vogt C, Regli S. 1981. Controlling trihalomethanes while attaining disinfection. JAWWA 73:33-40.
- * Von Oettingen WF. 1955. The halogenated aliphatic, olefinic, cyclic, aromatic, and aliphatic-aromatic hydrocarbons including the halogenated insecticides, their toxicity and potential dangers. Washington, DC: U.S. Department of Health, Education and Welfare, Public Health Service, 65-67.
 - Voronin VM, Donchenko AI, Korolev AA. 1987. An experimental study of the carcinogenicity of dichlorobromomethane and dibromochloromethane released during the water chlorination process. Gig Sanit 0:19-21.
- * Wallace LA, Pellizzari ED, Harwell TD, et al. 1986a. Total exposure assessment methodology (TEAM) study: Personal exposures, indoor-outdoor relationships, and breath levels of volatile organic compounds in New Jersey. Environmental International 12:369-387.
- * Wallace L, Pellizzari E, Sheldon L, et al. 1986b. The total exposure assessment methodology (TEAM) study: Direct measurement of personal exposures through air and water for 600 residents of several U.S. cities. In: Cohen Y, ed. Pollutants in a multimedia environment. New York, NY: Plenum Publishing Corporation, 289-315.
 - Wallace LA, Pellizzari Ed, Hartwell TD, et al. 1987. The TEAM study: Personal exposures to toxic substances in air, drinking water, and breath of 400 residents of New Jersey, North Carolina, and North Dakota. Environ Res 43:290-307.

- * Walters SM. 1986. Cleanup of samples. In: Zweig G, Sherma J, eds. Analytical methods for pesticides and plant growth regulators. Vol. 15:Principles, statistics, and applications. New York, NY: Academic Press Inc., 67-110.
- * Washall JW, Wampler TP. 1988. Purge and trap analysis of aqueous samples with cryofocusing. American Laboratory (July 1988):70-74.
- * Weast RC, ed. 1985. CRC handbook of chemistry and physics. 66th ed. Boca Raton, FL: CRC Press, Inc.
- * Westrick JJ, Mellow JW, Thomas RF. 1984. The groundwater supply survey. JAWWA 76:52-59.

WHO. 1984. Guidelines for drinking-water quality. Vol. 2: Health criteria and other supporting information. Geneva, Switzerland: World Health Organization, 240-246. Williams DT, Nestman ER, LeBel GL, et al. 1982. Determination of mutagenic potential and organic contaminants of Great Lakes drinking water. Chemosphere 11:263-276.

Withey JR, Karpinski K. 1985. The fetal distribution of some aliphatic chlorinated hydrocarbons in the rat after vapor phase exposure. Biological Research in Pregnancy 6:79-88.

- * Withey JR, Collins BT, Collins PG. 1983. Effect of vehicle on the pharmacokinetics and uptake of four halogenated hydrocarbons from the gastrointestinal tract of the rat. J Appl Toxicol 3:249-253.
- * Woodruff RC, Mason JM, Valencia R, et al. 1985. Chemical mutagenesis testing in Drosophila. V. Results of 53 coded compounds tested for the National Toxicology Program. Environ Mutagen 7:677-702.
 - Zakhari S, Aviado DM. 1982. dardiovascular toxicology of aerosol propellants, refrigerants, and related solvents. In: Van Stee EW, ed. Cardiovascular toxicology. New York, NY: Raven Press, 281-326.
- * Zeiger E, Anderson B, Haworth S, et al. 1987. Salmonella mutagenicity tests: III. Results from the testing of 255 chemicals. Environ Mutagen 9 (Suppl 9):1-110.
- * Zlatkis A, and Kim K. 1976. Column elution and concentration of volatile compounds in biological fluids. J Chromatogr 126:475-485.

Zoeteman CJ, DeGreef E, Brinkman FJJ. 1981. Persistency of organic contaminants in groundwater, lessons from soil pollution incidents in The Netherlands. Sci Total Environ 21:187-202.